



01:01:35 p.m. 03-08-2006

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PART B - FEE(S) TRANSMITTAL

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**INSTRUCTIONS:** This form should be used for transmitting the **ISSUE FEE** and **PUBLICATION FEE** (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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23448 7590 12/08/2005

**INTELLECTUAL PROPERTY / TECHNOLOGY LAW**  
**PO BOX 14329**

**RESEARCH TRIANGLE PARK, NC 27709**

**03/08/2006 HDEMSS2 00000074 10714307**

**01 FC:1501 1400.00 OP**  
**02 FC:1504 300.00 OP**

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

<b>Candace White</b>	(Depositor's name)
	(Signature)
<b>MARCH 8, 2006</b>	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10714,307	11/14/2003	Xueping Xu	ATMI-687	2122

**TITLE OF INVENTION: VICINAL GALLIUM NITRIDE SUBSTRATE FOR HIGH QUALITY HOMOEPITAXY**

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	03/08/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
STEIN, STEPHEN J	1775	428-698000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
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2. For printing on the patent front page, list  
(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

**Steven J. Hultquist**  
**1**  
**Vincent K. Gustafson**  
**2**  
**Intellectual Property/**  
**Technology Law**  
**3**

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

**Cree, Inc.**

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

**Durham, North Carolina**

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

**4a. The following fee(s) are enclosed:**

☐ Issue Fee  
☒ Publication Fee (No small entity discount permitted)  
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☐ A check in the amount of the fee(s) is enclosed.  
☒ Payment by credit card. Form PTO-2038 is attached.

☒ The Director is hereby authorized to charge the required fee(s) to credit any overpayment to Deposit Account Number **08-3284** (enclose an extra copy of this form).

**5. Change in Entity Status (from status indicated above)**

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Date **March 8, 2006**

Typed or printed name **Vincent K. Gustafson**

Registration No. **46,182**

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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PTOL-85 (Rev. 07/05) Approved for use through 04/30/2007.

OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>In re United States Patent Application of:</b>	)	<b>Docket No.:</b>	<b>4241-687</b>
<b>Applicant:</b>	)	<b>Examiner:</b>	<b>Stephen J. Stein</b>
<b>Serial No.:</b>	)	<b>Group Art Unit:</b>	<b>1775</b>
<b>Date Filed:</b>	)	<b>Confirm. No.:</b>	<b>2122</b>
<b>Title:</b>	)	<b>Customer No.</b>	<b>23448</b>
<b>VICINAL GALLIUM NITRIDE</b>	)		
<b>SUBSTRATE FOR HIGH QUALITY</b>	)		
<b>HOMOEPITAXY</b>	)		

**FACSIMILE TRANSMISSION CERTIFICATE****ATTN: Examiner Stephen J. Stein****Fax No. (571) 273-2885**

I hereby certify that this document, along with any enclosures identified herein, is being filed in the United States Patent and Trademark Office, via facsimile transmission to Mail Stop: Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 8, 2006, to United States Patent and Trademark Office facsimile transmission number (571) 273-2885.

4

Number of Pages (including cover)

  
Candace White

March 8, 2006

Date

**SUBMISSION OF ISSUE FEE IN U.S. PATENT APPLICATION NO. 10/714,307**

Mail Stop: Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Enclosed is the Issue Fee Transmittal, along with a Credit Card Form authorizing the Commissioner for Patents to charge the total amount of \$1700.00 (\$1400.00 for the issue fee and \$300.00 for the publication fee), in response to the Notice of Allowance dated December 8, 2006



4241-687

in the above-identified patent application. The Commissioner is requested to charge any deficiency or credit any overpayment to Deposit Account No. 08-3284 of Intellectual Property/Technology Law.

Respectfully submitted,

Vincent K. Gustafson  
Reg. No. 46,182  
Attorney for Applicants

INTELLECTUAL PROPERTY/  
TECHNOLOGY LAW  
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Attorney File No.: 4241-687

Enclosures:  
Issue Fee Transmittal [1 pg.]  
Credit Card Form [1 pg.]

The USPTO is hereby authorized to charge any deficiency or credit any overpayment of fees properly payable for this document to Deposit Account No. 08-3284